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Kyle L Wooldridge, PE  
Water Resource Control Engineer  
State Water Resources Control Board  
Division of Water Rights  
1001 I Street  
Sacramento, CA 95814

Dear Mr. Wooldridge,

We submitted the 2015 Initial Water Demand Management Program for the Mendocino County Russian River Non-Main Stem Diverters to you via email on February 1, 2015. Please let us know if you have any questions. Thank you.

Sincerely,



Laurel Marcus  
Executive Director

**2015 Initial Water Demand Management Program for the  
Mendocino County Russian River Non-Main Stem Diverters**

**Submitted:** February 1, 2015

**Governing Body**

California Land Stewardship Institute (CLSI)

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The California Land Stewardship Institute is a California non-profit, 501 (c) 3 corporation.

**WDMP Participants:** This WDMP includes participants who divert water for the purposes of frost protection from sources within the Russian River watershed other than the main stem of the Russian River in Mendocino County.

The Governing Body has established an agreement with each WDMP participant outlining the Governing Body's required actions and the participants required actions under this WDMP.

**Inventory**

The Governing Body is providing an initial inventory of participants (Attachment A) with this WDMP as described in (C) (1) of §862 (23 Cal. Code Regs. §862(C)(1)). This includes: the name of the diverter, source of water used and acreage frost protected. The Governing Body will provide participants with frost diversion data recording sheets that will be submitted by the participants to the Governing Body at the end of the frost season to assist in updating the inventory and fulfilling annual reporting requirements. Three months following the approval of this WDMP by the State Water Resources Control Board additional information on the APN of the location of the diversion, a description of the diversion system and its capacity and acres frost protected by means other than water diverted from the Russian River stream system will be added to the initial inventory to create a complete inventory. Additional participants may

also be included in this complete inventory. Following the 2015 frost season (March 15-May 15), the rate of diversion, hours of operation and volume of water diverted during each frost event in 2015 will be collected and added to the annual report by the Governing Body.

Participants in the WDMP will be responsible for recording frost water diversion information and providing this information to the Governing Body. The Governing Body will compile the required inventory information and submit the report to the SWRCB based on the schedule below.

1. February 1: Initial WDMP Inventory as described on page (C) (1) of §862 completed
2. Three months after approval of WDMP: the three month update will be completed. This will include a complete inventory.
3. September 1, 2015: The first annual report following the frost season as described in (C) (5) of §862 will be completed.
4. Subsequent Annual Reports: These will be due September 1 of each year and will include diversion data for the prior frost season.

### **Stream Stage Monitoring Program**

The Governing Body will work with the participants of the WDMP and outside consultants (when deemed necessary) to establish a stream stage monitoring program for the areas covered within the WDMP and as described in (C) (2) of §862.

The initial process of prioritization for the installation of potential gages will be based on maps provided by National Marine Fisheries Service (NMFS) that correlate potential salmonid stranding sites and grape growing areas (Attachment B). These prioritized tributaries include: York, McNab, Feliz and Dooley/McDowell Creeks.

The monitoring program will include the following: (1) A determination of the number, type and location of stream gages necessary to monitor and assess the extent to which frost diversions may affect stream stage and cause stranding mortality; (2) Provisions for the installation and

ongoing calibration and maintenance of stream gages; (3) Monitoring and recording of stream stage at intervals not to exceed 15 minutes. The Governing Body will work with participants to install or adjust gages in the high priority streams – McNab, York, Dooley/McDowell and Feliz. Consultation with National Marine Fisheries Service and the California Department of Fish and Wildlife will take place in order to receive recommendations for these four tributaries.

Attachment C outlines the schedule for installation of gages in McNab, York, Dooley/McDowell and Feliz Creeks. As risk assessments are completed, the need for additional gage placement will be reviewed.

### **Risk Assessment**

The Governing Body will work with the participants of the WDMP and outside consultants (when deemed necessary) to conduct the risk assessments described in (C) (3) of §862 for the four high priority creeks. The risk assessment will provide a determination of the stream stage that should be maintained at each gage to prevent stranding mortality.

Consultations with National Marine Fisheries Service and the California Department of Fish and Wildlife will take place in order to receive recommendations on each risk assessment.

Attachment C includes a schedule for these actions.

Additional risk assessments will be correlated with the frost inventory and evaluation of the various tributary systems within the WDMP as well as identification of medium and low priority streams through consultation with National Marine Fisheries Service and the California Department of Fish and Wildlife.

### **Corrective Actions**

Based on each risk assessment, stream monitoring data and presence of salmonid habitat corrective actions may be needed. If corrective actions are required, the Governing Body will

notify the related WDMP members in writing and work together to develop a corrective action plan that will prevent salmonid stranding mortality. Corrective actions may include alternative methods for frost protection, best management practices, better coordination of diversions, construction of off-stream storage facilities, real-time stream gage and diversion monitoring, or other alternative methods of diversion. Corrective actions also may include revisions to the number, location and type of stream monitoring gages, or to the stream stages considered necessary to prevent stranding mortality. In developing the corrective action plan, the governing body shall consider the relative water right priorities of the diverters and any time delay between groundwater diversions and a reduction in stream stage. The corrective action plan will include a schedule of implementation. The Governing Body will work with the WDMP members participating in a corrective action plan to ensure compliance is progressing and review corrective action plans as needed. Corrective action plans are anticipated to be developed according to the schedule in Attachment C.

### **Annual Reporting**

The Governing Body will submit an annual report as described in (C) (5) of §862 which summarizes program data, activities and results by September 1 of each year. The report will include:

- (A) The frost inventory.
- (B) Diversion data for the preceding frost season
- (C) Stream stage monitoring data.
- (D) Risk assessments completed in the prior year, identification of the need for any additional data or analysis, and a schedule for obtaining the data or completing the analysis.
- (E) A description of any corrective action plan that has been developed, any corrective actions implemented to date and a schedule for implementing any additional corrective actions.
- (F) Any instances of noncompliance with the WDMP or with a corrective action plan, including the failure to implement identified corrective actions.

(G) Consultations with National Marine Fisheries Service and the California Department of Fish and Wildlife regarding the stream monitoring program and risk assessment and shall explain any deviations from recommendations made by National Marine Fisheries Service and the California Department of Fish and Wildlife during the consultation process.

In addition, the annual report shall evaluate the effectiveness of the WDMP and recommend any necessary changes to the WDMP, including any proposed additions or subtractions of program participants.

### **Groundwater**

The Governing Body will work on developing criteria for identifying groundwater diversions that are not hydraulically connected to the Russian River stream system. These criteria, as well as a list of groundwater diverters meeting the criteria, will be submitted to the Deputy Director of Water Rights and the SWRCB for consideration as described in (D) of §862.

**Attachment A**  
**Initial Frost Inventory**

<b>Diverter</b>	<b>Source of water used for frost control</b>	<b>Acreage frost protected with water</b>
Bartolomei Brothers Vineyard	McClure Creek	86
Beckstoffer Vineyards XIV	off-stream pond	100
Bells Echo Vineyard	on-stream pond on unnamed tributary to Feliz Creek	52
Berry Family LLC	off-stream pond	30
Blanc Vineyards	off-stream pond	6
Brian R White	on-stream pond: filled by sheet flow also Russian River mainstem diversion	70
Brutocao Vineyards - Dooley Creek	well	180
Brutocao Vineyards - Feliz Creek	off-stream ponds	104
Canebrake Vineyards - Site 1	off-stream ponds	19
Canebrake Vineyards - Site 2	off-stream ponds	19
Canebrake Vineyards - Site 3	off-stream ponds	27
Chase Vineyards	off-stream pond	37
Chris & Chris P Keiffer	well	17
Clara Chapman	off-stream pond	19
Colombini Vineyards - Champi Ranch	West Fork Russian River	8
Colombini Vineyards: Lawrence Ranch	West Fork Russian River	12
Conrado Vineyard	off stream pond	10
Cox Vineyards - Mainstem RR	well	47

<b>Diverter</b>	<b>Source of water used for frost control</b>	<b>Acreage frost protected with water</b>
Cox Vineyards - York Creek	well	317
Dempel Ranch	on-stream ponds: unnamed creek	8
Dicesare Vineyards Inc.	off-stream pond	18
Elizabeth Vineyards	Salt Hallow Creek	39
Fetzer/Bonterra Vineyards - Blue Heron / Cooperage Creek	on-stream ponds: unnamed tributary of Russian River mainstem	43
Fetzer/Bonterra Vineyards - Hooper Ranch	on-stream ponds: unnamed tributary to McDowell Creek	220
Fetzer/Bonterra Vineyards - McNab Ranch	on-stream pond: unnamed tributary to McNab Creek	130
Fetzer/Bonterra Vineyards - Valley Oaks Ranch	on-stream ponds: unnamed tributaries, also Russian River Flood Control District	48
Frank Ricetti	off-stream pond	16
Frey - Easterbrook Ranch	on-stream pond: Mariposa Creek	40
Frey - Milani Ranch	on-stream ponds: West Fork Russian River, unnamed tributary to West Fork Russian River, and contract	38
Frey - Road D Ranch	on-stream pond: Salt Hollow Creek	25
Frey - Road I Ranch	contract, off-stream pond	35
Frey - West Road Ranch	contract, off-stream pond	32
Frey Ranch	on-stream pond: unnamed trib to West Fork Russian River	14
Gary W Venturi	off-stream pond	30
Garzini Ranch (Husch)	off-stream pond	15

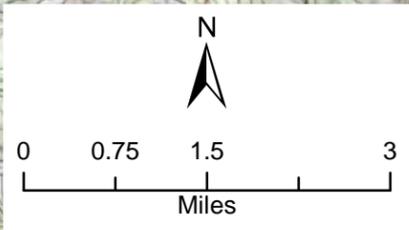
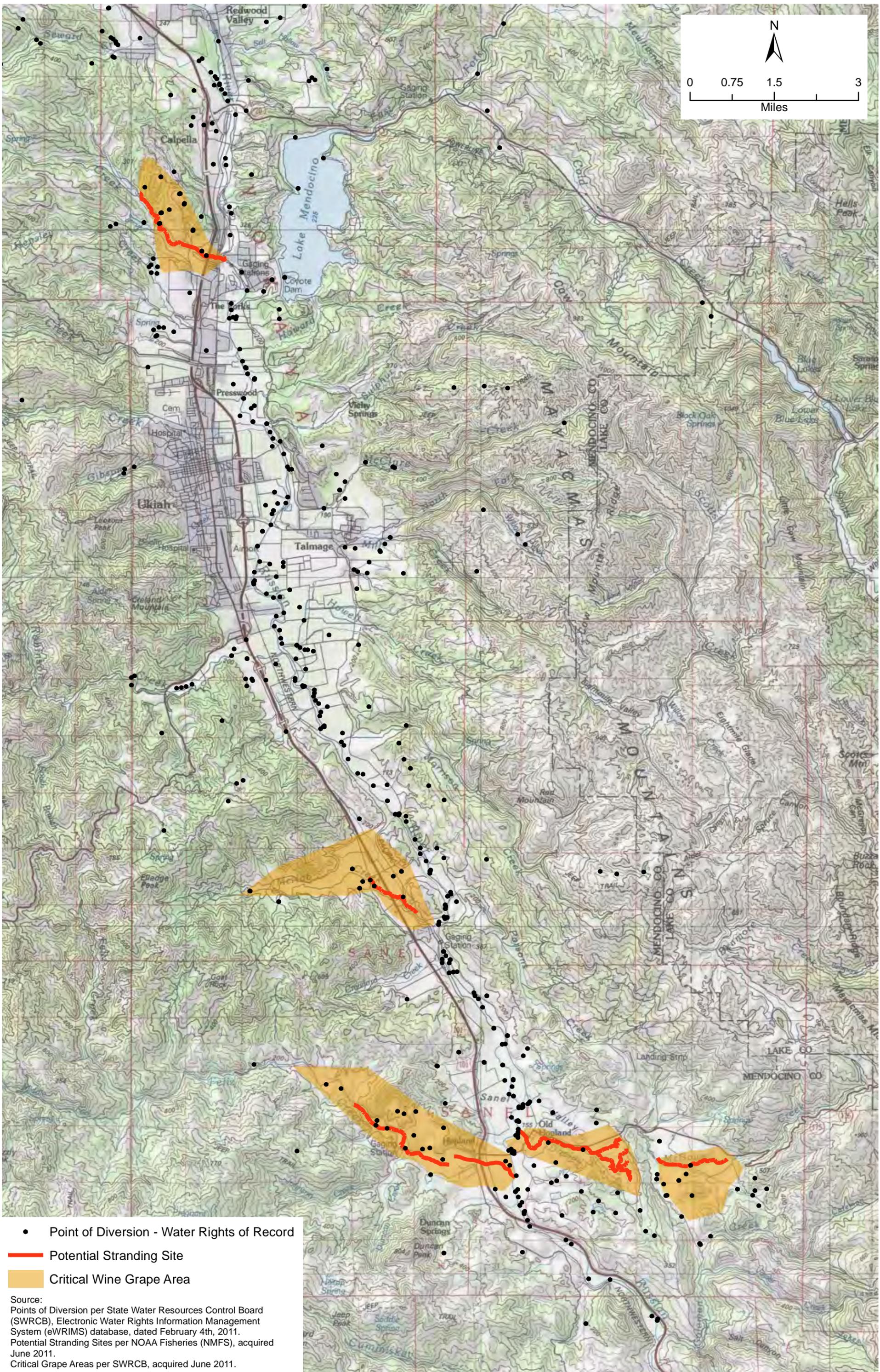
<b>Diverter</b>	<b>Source of water used for frost control</b>	<b>Acreage frost protected with water</b>
Gerhart Ranch	off-stream pond	25
Giannecchini Ranch - Site 1	off-stream pond	8
Giannecchini Ranch - Site 2	well	12
Gibson Vineyards	well	34
Graziano Vineyards	off-stream pond	6
Gusto Vineyards - Site 1	off-stream pond	30
H&W Vineyards - 42 Ranch	off-stream pond, contract	38
H&W Vineyards - Home Ranch	on-stream pond: unnamed tributary to West Fork Russian River	50
H&W Vineyards - Site 1	on-stream pond: West Fork Russian River	148
H&W Vineyards - Site 3	well	48
H&W Vineyards - Site 4	well	43
H&W Vineyards - Site 5	well	71
Harry Richardson Ranch	off-stream pond, well	25
Hildreth Farms Inc	well	40
Janet C. King	well, off-stream pond	70
Jaxon Keys/Jepson Vineyards	well	26
Johnson Family Ranch - Doolin/Gibson	well, also contract with Russian River Flood Control District	32
Linholme Properties	in-stream pond: Mill Creek	11

<b>Diverter</b>	<b>Source of water used for frost control</b>	<b>Acreage frost protected with water</b>
Locavore, LLC	off-stream pond	30
Lolonis Family Vineyards & Winery Inc.	off-stream pond	105
M/R Vineyard	off-stream pond	144
Masut Wine Company LLC	off-stream ponds	24
Mattern Vineyards	off-stream pond	32
McDowell - Marietta Vineyards	well	226
McDowell/Marietta Vineyards	well	226
McGehee Vineyards - East Rd	West Fork Russian River	30
Mendocino Wine Group - Parducci	off-stream pond	90
Middleridge Vineyard	on-stream ponds: unnamed stream	168
Milovina Brothers - Crawford Ranch	off-stream pond	116
Milovina Brothers - Hewlitt Rd	off-stream pond	40
Milovina Brothers - Robinson Creek	off-stream pond	50
Milovina Brothers - South 101	off-stream pond	116
Mountanos Vineyards - Howell	well	26
Nelson & Sons Inc	off-stream pond	188
Norgard Farms - Airport	contract - Russian River Flood Control District	8
Norgard Farms - Howell Creek	off-stream pond	40

<b>Diverter</b>	<b>Source of water used for frost control</b>	<b>Acreage frost protected with water</b>
Norgard Farms - Mill Creek	off-stream pond	38
O'Brien Ranch	off-stream pond	18
Omnium Vineyard	off-stream pond	73
Piffero Family Vineyards	off-stream pond	19
Ralph Chappell	off-stream pond	25
Rancho Feliz Vineyards	off-stream pond	26
Randall Ruddick - Site 1	off-stream pond	16
Randall Ruddick - Site 2	well	20
Redwood Valley Vineyards - Site 1	sheet flow pond	170
Redwood Valley Vineyards - Site 2	sheet flow pond	23
Rich LaMalfa - Robinson Creek	Robinson Creek	7
Rich LaMalfa - Russian River	well	50
Robinson Creek Ranch	off-stream pond	30
Roger and Vicki Webb	off-stream pond	14
Rosetti Brothers	Dooley Creek	8
Rosewood Vineyards - Site 1	off-stream pond	65
Rosewood Vineyards - Site 2	off-stream pond	32
Rosewood Vineyards - Site 3	off-stream pond	38

<b>Diverter</b>	<b>Source of water used for frost control</b>	<b>Acreage frost protected with water</b>
Rucker Vineyards - Laughlin	off-stream pond	20
Ruddick Ranch Inc	well	71
Saracina Vineyards - HS Rd	off-stream pond	106
Saracina Vineyards - McNab	off-stream pond	9
Schrader Ranch	off-stream pond	177
Seabiscuit Ranch Vineyards	on stream pond: unnamed trib to Forsythe Creek	7
Souza Properties	well	6
Split Rock Ranch	off-stream pond	27
Stuart Zeller	on-stream pond: unnamed tributary to Forsythe Creek	5
Theodore F. & Diane E. Richardson	off-stream pond	28
Thomas F. Johnson	Unnamed tributary to West Fork Russian River	20
Ulysses Lolonis Vineyards - site 1	on-stream pond: unnamed tributary to West Fork Russian River	30
Ulysses Lolonis Vineyards - site 2	on-stream pond: unnamed tributary to West Fork Russian River	38
Venturi Vineyards	on-stream pond: unnamed stream	30
Waterfowl Winery	off-stream pond	28
Whaler Vineyard	off-stream pond	23
Whispering Oak Vineyards - Burke Hill	off-stream pond	9
Whispering Oak Vineyards - Zaina Ranch	off-stream pond	14

**Attachment B**  
**National Marine Fisheries Service**  
**High Priority Streams**  
**Mendocino County Russian River**



- Point of Diversion - Water Rights of Record
- Potential Stranding Site
- Critical Wine Grape Area

Source:  
 Points of Diversion per State Water Resources Control Board (SWRCB), Electronic Water Rights Information Management System (eWRIMS) database, dated February 4th, 2011.  
 Potential Stranding Sites per NOAA Fisheries (NMFS), acquired June 2011.  
 Critical Grape Areas per SWRCB, acquired June 2011.

**Attachment C**

**Schedule**

**2015 Initial Water Demand Management Program for the  
Mendocino County Russian River Non-Main Stem Diverters**

It is our understanding that the two resource agencies - National Marine Fisheries Service (NMFS) and the California Department of Fish and Wildlife (CDFW) have limited staff to complete consultations for this regulation. In recognition of this fact we have distributed the tasks for the stream stage monitoring and risk assessments over a period of time that allows these agencies to fully consult on the details of the program. It is also likely that a number of years of stream flow data will be needed to complete a risk assessment. In years with few to no frost events the data may not be adequate to complete a risk assessment.

## 2015

Initial inventory - February 1, 2015

Complete inventory – 3 months following approval of WDMP by State Water Resource Control Board

Stream stage monitoring in McNab Creek

Consult with CDFW and NMFS

Risk assessment in McNab Creek begins

Annual report – September 1, 2015

## 2016

Consult with CDFW and NMFS – January 2016 and at additional points throughout the year

Install stream stage monitoring in Dooley/McDowell Creek

Draft corrective action plan for McNab Creek if gaging data is adequate to complete risk assessment.

Continue risk assessment on McNab Creek if needed

Annual report – September 1, 2016

## 2017

Consult with CDFW and NMFS in January 2017 and at additional points throughout the year

Install stream stage monitoring in Feliz Creek

Begin risk assessment on Dooley/McDowell Creek

Draft corrective action plan for McNab Creek and Dooley/McDowell Creek if gaging data is adequate to complete risk assessment. Continue risk assessment on McNab Creek if needed

Annual report – September 1, 2017

## 2018

Consult with CDFW and NMFS – January 2016 and at additional points throughout the year

Determine medium priority creeks

Install stream stage monitoring in York Creek

Begin risk assessment on Feliz Creek

Draft corrective action plan for McNab Creek, Dooley/McDowell Creek and Feliz Creek if gaging data is adequate to complete risk assessment. Continue risk assessment on McNab Creek, Dooley/McDowell Creek and Feliz Creek if needed

Annual report – September 1, 2018

## 2019

Consult with CDFW and NMFS – January 2016 and at additional points throughout the year

Begin installation of stream stage monitoring on medium priority streams

Begin risk assessment on York Creek

Draft corrective action plan for McNab Creek, Dooley/McDowell Creek, Feliz Creek and York Creek if gaging data is adequate to complete risk assessment. Continue risk assessment on McNab Creek, Dooley/McDowell Creek, Feliz Creek and York Creek if needed

Annual report – September 1, 2019

## **Attachment D**

The Governing Body consulted with the Ca. Dept of Fish and Wildlife (CDFW) on January 21, 2015 regarding the Draft WDMP and priority streams. CDFW agreed with the NMFS map determining the four high priority tributaries and stated they might recommend additional high priority tributaries. As of January 30, 2015 the Governing Body had not received these recommendations.

The Governing Body contacted the North Central Coast Office Supervisor of NMFS on January 11, 2015 to set up a time for a consultation but never received any response.